

What I claim as my invention is:

I claim:

1. A composite material, comprising:

waste materials from wood, non-wood cellulosic or polymeric fibers in this invention formed from the group of Pseudo-Fiber™ natural fibers, Type A or Type B, or other family members;

a single layer, wherein it is positioned alone, or as a top, middle or bottom layer containing, or not containing, said composite waste materials, with or without binders;

double or multi-ply layer, wherein it is positioned alone, or as a top, middle or bottom layer containing, or not containing, said composite waste materials; or

multiple layers, positioned alone, or consecutively, vertically, horizontally, or alternately with, or without, layers of composite materials, with or without binders, selected from the group of waste materials, which are the subject of this invention, and alternately additional layers of material containing, or not containing, the composite waste materials.

2. The composite materials of claim 1, wherein the waste materials used in the composite, comprise an additive selected from the group consisting of flame retardants, static retardants, corrosion retardants, ultraviolet absorbers and stabilizers, biocides, sound attenuators, antioxidants, antibacterial chemicals, odor absorbers, stabilizers or retardants, vulcanizers, impact modifiers, fillers, super absorbent polymers, tensile strength polymers, and combinations thereof.

3. The composite materials of claim 1, wherein the waste materials used in the composite, comprise multiple layers, with layers containing, or intermittently, not containing waste materials, may be joined by lamination, application of barrier layers of films, polymer films, foils, coatings, heat seaming, heat lamination, pressure or thermobonding, ultrasonic seaming, factory solvent seaming, electrical conduction seaming, electromagnetic induction seaming, electrical resistance seaming, and combinations thereof.